

## ABSTRACT

A measurement system comprises at least one mobile measurement device hosting at least a portion of a measurement system model. The mobile measurement device is enabled to evaluate a measurement taken by the mobile measurement device in light of the model for making a determination concerning the measurement, relative to the model. Measurement methods using mobile probes include augmenting the model using the measurements, directing a user of the mobile measurement device to a different location in response to the evaluation of the measurements, refining a location of the mobile measurement device using the model and the measurements, or determining a best mode of use of the mobile measurement device based on the measurements.